

Appl. No. 09/689,339  
Amdt. dated Nov. 2, 2005  
Office Action mailed June 2, 2005

This listing of claims will replace all prior versions, and listings, of the claims in this application:

**Listing of Claims**

Claim 1 (canceled)

Claim 2 (canceled)

Claim 3 (canceled)

Claim 4 (canceled)

Claim 5 (canceled)

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (canceled)

Claim 11 (canceled)

Claim 12 (canceled)

Claim 13 (canceled)

Claim 14 (canceled)

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Claim 15 (currently amended): A data collection and communication apparatus, comprising:

a housing having a size and shape capable of being hand held;

an optical indicia reader, supported by said housing, capable of reading optical indicia located externally of said housing;

a manual data input component, located on a user-accessible surface of said housing, capable of accepting data input by a user's hand;

a wireless communication component, supported by said housing, capable of communicating data collected by the apparatus and capable of receiving data for use by the apparatus; and

a visual image generator, located in said housing, wherein said visual image generator projects an image through air and onto a plane oriented upwardly and generally vertically such that a user can view a generated visual image without looking downwardly.

Claim 16 (canceled)

Claim 17 (previously presented): The data collection and communication apparatus according to claim 15, wherein said visual image generator comprises an illumination device capable of projecting an image as a head up display.

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Claim 18 (previously presented): The data collection and communication apparatus according to claim 17, wherein said head up display is located on a vehicle windshield.

Claim 19 (previously presented): The data collection and communication apparatus according to claim 15, wherein said manual data input component comprises a keypad.

Claim 20 (previously presented): The data collection and communication apparatus according to claim 15, wherein said optical indicia reader comprises a laser scanner.

Claim 21 (previously presented): The data collection and communication apparatus according to claim 15, wherein said visual image generator generates an image onto a plane that is not parallel to a plane containing said manual data input component.

Claim 22 (previously presented): The data collection and communication apparatus according to claim 15, wherein said wireless communication component comprises a radio frequency communication component.

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Claim 23 (currently amended): A portable data collection and communication apparatus, comprising:

a housing having a size capable of being portable;

an optical indicia reader, supported by said housing, capable of reading optical indicia located externally of said housing;

a manual data input component, located on a user-accessible surface of said housing, capable of accepting data input by a user's hand;

a wireless communication component, supported by said housing, capable of communicating data collected by the apparatus and capable of receiving data for use by the apparatus; and

a visual image generator, located in said housing, wherein said visual image generator projects an image through air and onto a plane oriented generally vertically such that a user can view a generated visual image without looking downwardly.

Claim 24 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said housing has a size and shape permitting it to be hand held.

Claim 25 (canceled)

Claim 26 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said visual image generator comprises an illumination device capable of projecting an image as a head up display.

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Claim 27 (previously presented): The portable data collection and communication apparatus according to claim 26, wherein said head up display is located on a vehicle windshield.

Claim 28 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said manual data input component comprises a keypad.

Claim 29 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said optical indicia reader comprises a laser scanner.

Claim 30 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said visual image generator generates an image onto a plane that is not parallel to a plane containing said manual data input component.

Claim 31 (previously presented): The portable data collection and communication apparatus according to claim 23, wherein said wireless communication component comprises a radio frequency communication component.

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Claim 32 (currently amended): A portable data collection and communication apparatus, comprising:

means for portably housing the apparatus;

means for reading optical indicia, supported by said means for portably housing;

means for manually inputting data, located on a user-accessible surface of said means for portably housing;

means for wirelessly communicating, supported by said means for portably housing, capable of communicating data collected by the apparatus and capable of receiving data for use by the apparatus; and

means for generating a visual image, located in said means for portably housing, wherein said means for generating a visual image ~~generates~~ projects an image located through air and onto a plane oriented generally vertically such that a user can view a generated visual image without looking downwardly.

Claim 33 (previously presented): The portable data collection and communication apparatus according to claim 32, wherein said means for generating a visual image generates an image onto a plane that is not parallel to a plane containing said means for manually inputting data.

Claim 34 (previously presented): The portable data collection and communication apparatus according to claim 32, wherein said means for generating a visual image comprises an illumination device capable of projecting an image onto a generally vertical surface.

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Claim 35 (previously presented): The portable data collection and communication apparatus according to claim 32, wherein said means for generating a visual image comprises an illumination device capable of projecting an image as a head up display.

Claim 36 (previously presented): The portable data collection and communication apparatus according to claim 35, wherein said head up display is located on a vehicle windshield.

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**General Authorization Under 37 CFR 1.136(a)(3)**

A signed Credit Card Payment Form (PTO-2038) accompanies this Response in payment of the two month extension of time fee. If it is determined, however, that any other fees are due in this application, or if it is determined that an overpayment has been made, the Patent and Trademark Office is hereby authorized to charge or credit Deposit Account 19-2260 as appropriate.

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